ACQUISITION CENTER OF EXCELLENCE (ACE)

INFORMATION BRIEF

PRESENTED BY

MS. KAREN D. SORBER

DIRECTOR
ACQUISITION CENTER OF EXCELLENCE

E-mail: Sorber_Karen@asnrdad.acq-ref.navy.mil
Home Page: http://www.acq-ref.navy.mil
Phone: (703) 602-5506/5508
Fax: (703) 602-5481

DoN ACQUISITION REFORM VISION

UNCLASSIFIED

Acquisition reform is a program to achieve DoD's military superiority objective at reduced price with increased responsiveness to customers.

Key elements of the strategy are to ...

integrate the military and commercial industrial base

increase innovation

foster managed risk

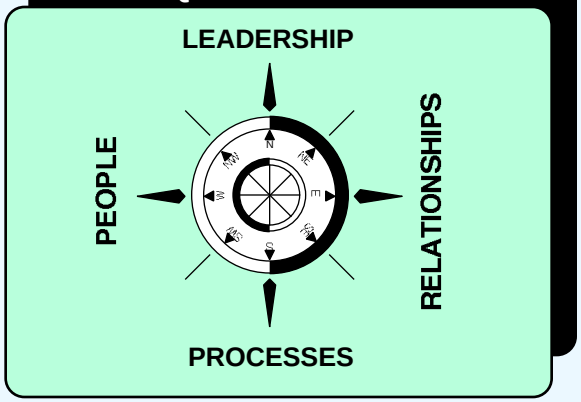
encourage empowerment and establish cross-functional teams

using world-class commercial practices. We will recommend revisions to law and policies and change the culture of the current acquisition environment to give program managers the freedom to succeed.

ACE REQUIREMENTS

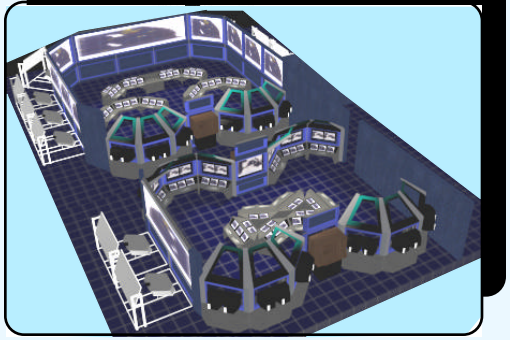
UNCLASSIFIED

DoN ACQUISITION REFORM MAP



RDA STRATEGIC PLAN

ACE COLLABORATORY



CONTINUING INITIATIVES

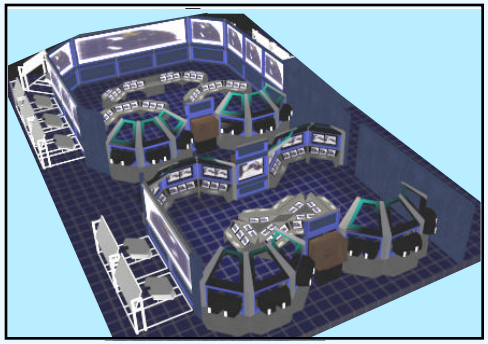
- SPECS AND STDS
- SINGLE PLANT PROCESS
- RFP BENCHMARKING
- ELECTRONIC COMMERCE
- OPEN COMMUNICATIONS
- ACQUISITION POLICY
- INDUSTRY OUTREACH
- OSD/SERVICE PROJECTS

UNCLASSIFIED

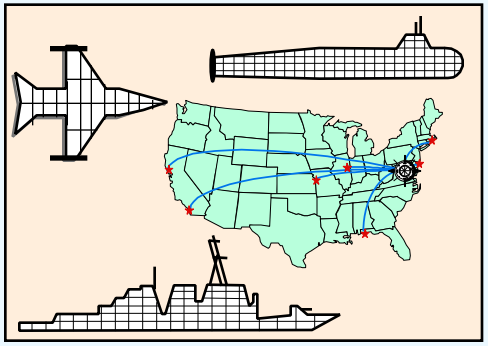
ELG004 05/31/96

ACE MISSION

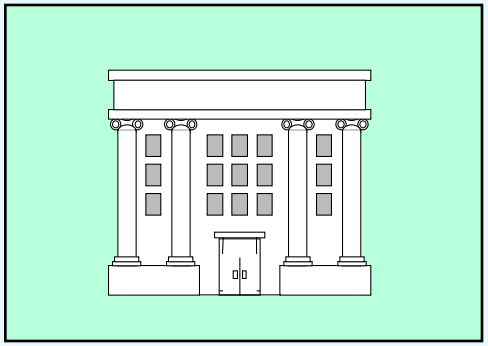
UNCLASSIFIED



- A work place for accomplishing acquisition program objectives and developing and assessing new process concepts



- A virtual prototyping laboratory where DON employs the most robust technological advancements and world-class acquisition strategies



- An electronically accessible resource library providing information, knowledge, lessons learned, and state-of-the-art practices to our acquisition community

REDUCE TOTAL COST

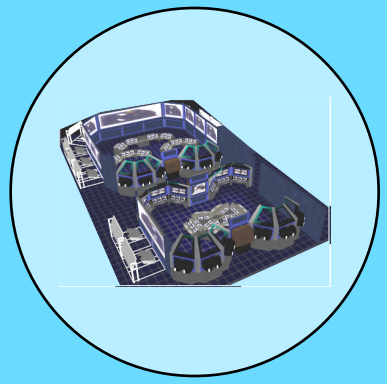
By exploiting technology to provide PM, PEO, and SYSCOM teams enhanced capability to test, evaluate and apply world class practices to improve DoN acquisition processes.

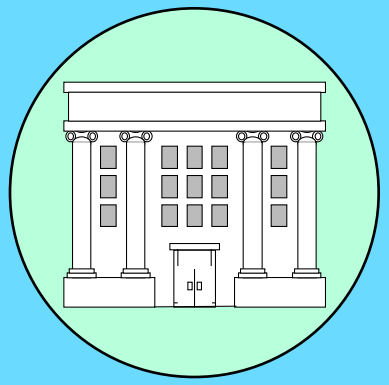
ACQUISITION CENTER OF EXCELLENCE (ACE)

UNCLASSIFIED

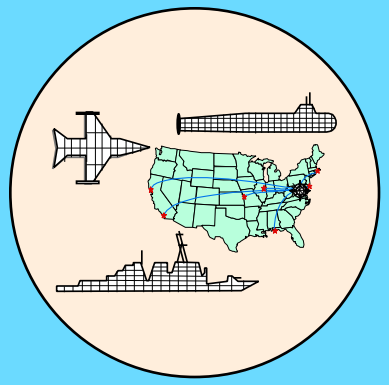
ACE FUNCTIONALITY

TEAM COLLABORATIONS



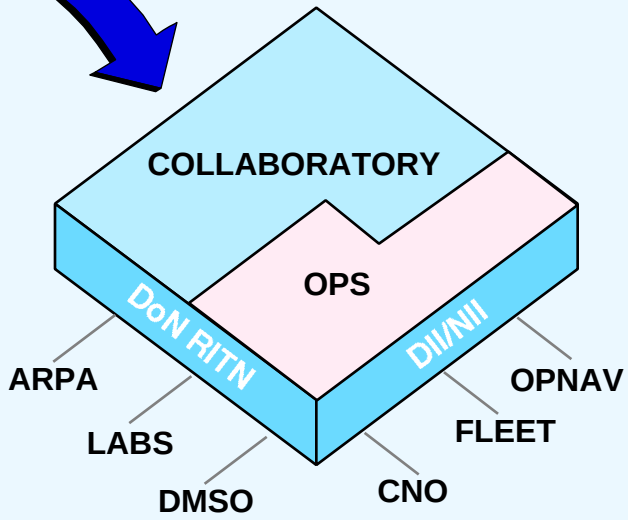


RESEARCH & RESOURCES



VIRTUAL PROTOTYPING

ACE FACILITY



UNCLASSIFIED

ELG008 05/31/96

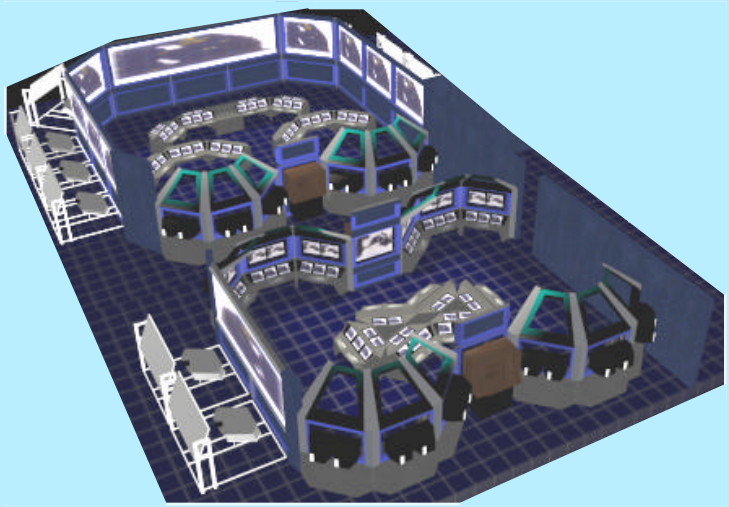
ACE TEAM COLLABORATIONS

UNCLASSIFIED

Jump start new projects - a 'skunk works' management environment that provides hands-on applications

Virtual enterprise capability to support group processes and workflow analyses

Workspace for PM/resource sponsor/warfighter/industry trade-off decisions



Advanced acquisition business wargaming capability

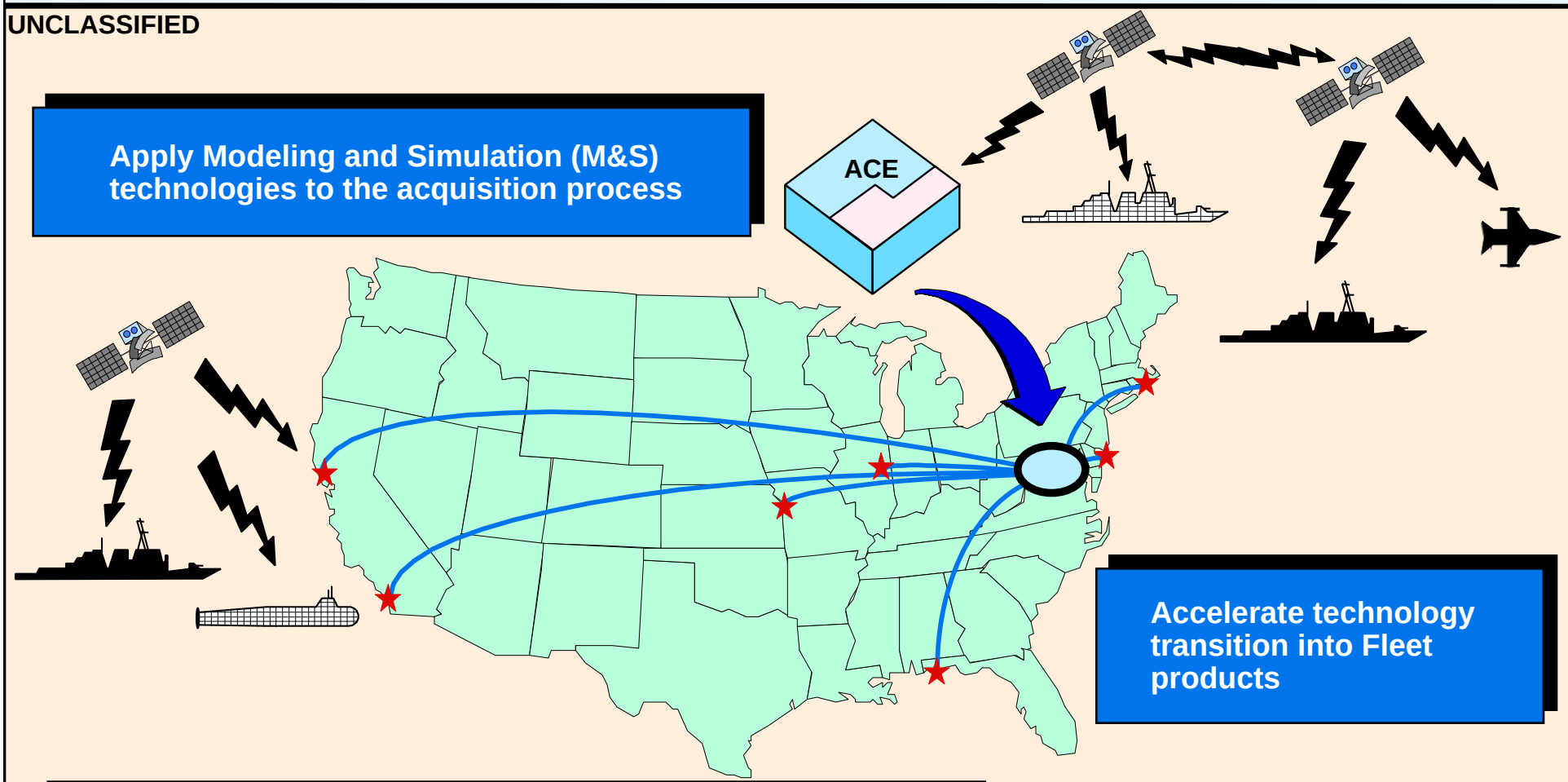
Integrated Product and Process Development (IPPD) application

Investigate modeling, simulation, decision tools, collaboration, concurrent design & development, and team learning approaches

ACE VIRTUAL PROTOTYPING

UNCLASSIFIED

Apply Modeling and Simulation (M&S) technologies to the acquisition process



Accelerate technology transition into Fleet products

Establish Simulation Based Design (SBD) node to enable collaborative virtual prototyping and dynamic business modeling

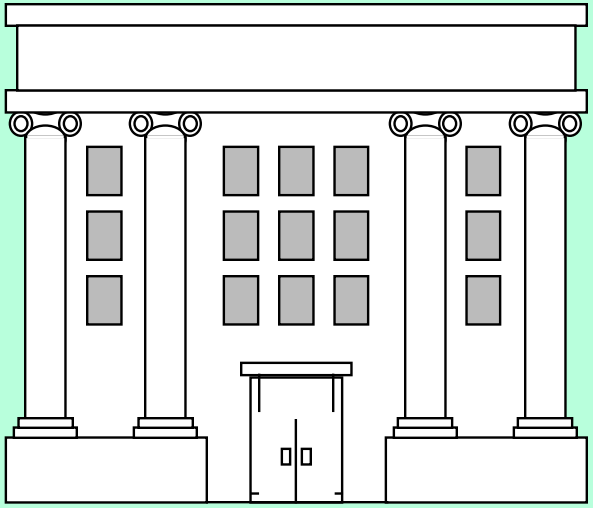
ACE RESEARCH & RESOURCES

UNCLASSIFIED

Program Managers Assistance Group (PMAG)

Gather, test and evaluate 'best in class' practices, and apply to DoN processes

Electronically accessible resource library



1-800 ACQ-REF Help desk

Storehouse for lessons learned, success stories, benchmarks, and proven practices

Focal point for DoN business process re-engineering guidelines

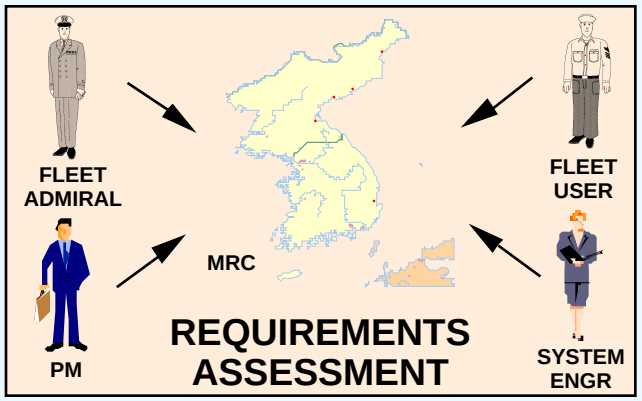
Center for deploying the DoN acquisition reform message

Assess acquisition reform performance and provide feedback for DoN business process re-engineering

Experts and facilitators

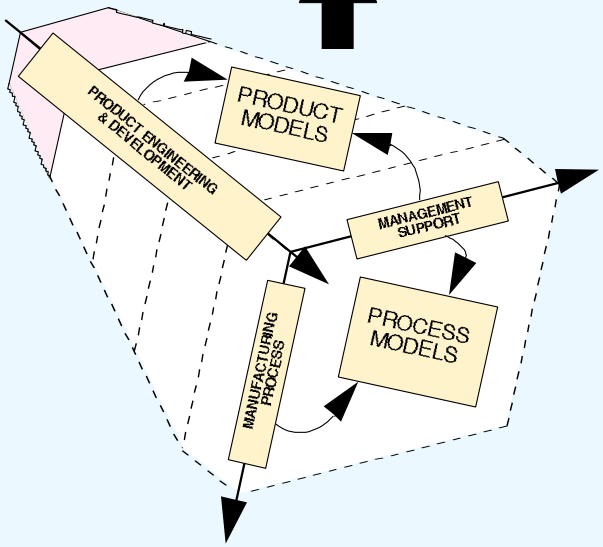
REQUIREMENTS ASSESSMENT

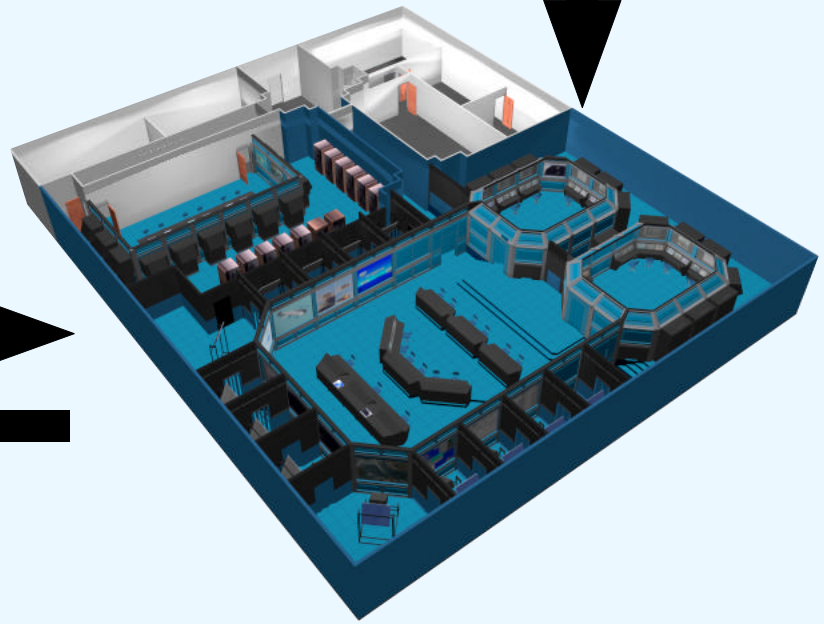
UNCLASSIFIED



ACTIVITIES

- √ **WARFARE ANALYSES**
- √ **CONCEPT FORMULATION**
- • ENGINEERING ANALYSIS
- √ **COST ANALYSIS**
- • DESIGN
- • BUILD
- • TESTING
- √ **MAINTAINANCE**
- • LOGISTICS
- √ **OPERATION**
- • TRAINING





INTEGRATED PRODUCT PROCESS MODEL MATURATION

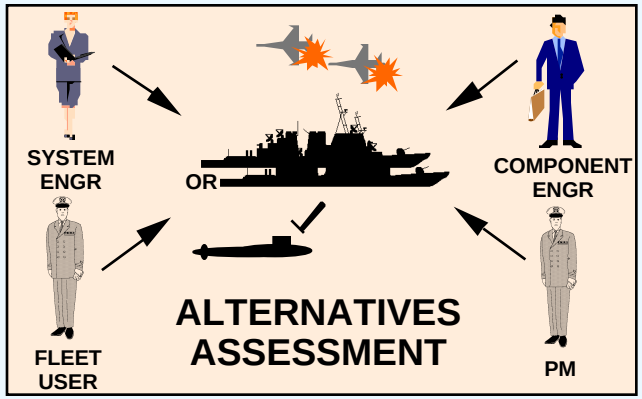
IPPD/IPT COLLABORATORY CONFIGURATION

UNCLASSIFIED

DRW008 07/02/96

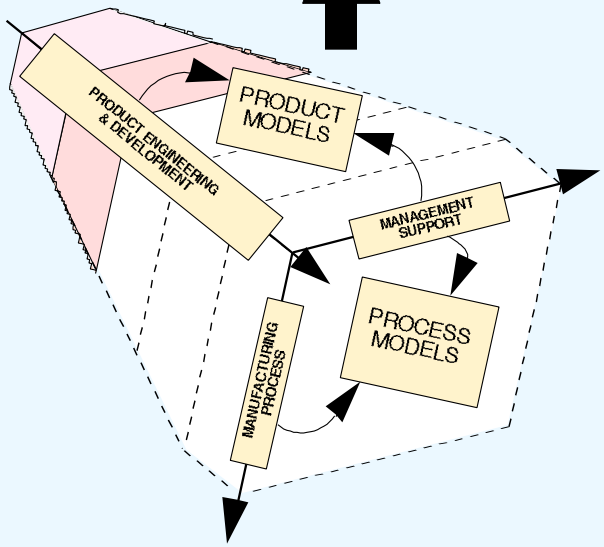
ALTERNATIVES ASSESSMENT

UNCLASSIFIED



ACTIVITIES

- √ WARFARE ANALYSES
- √ CONCEPT FORMULATION
- √ ENGINEERING ANALYSIS
- √ COST ANALYSIS
- √ DESIGN
- • BUILD
- √ TESTING
- √ MAINTAINANCE
- √ LOGISTICS
- √ OPERATION
- • TRAINING



INTEGRATED PRODUCT PROCESS MODEL MATURATION

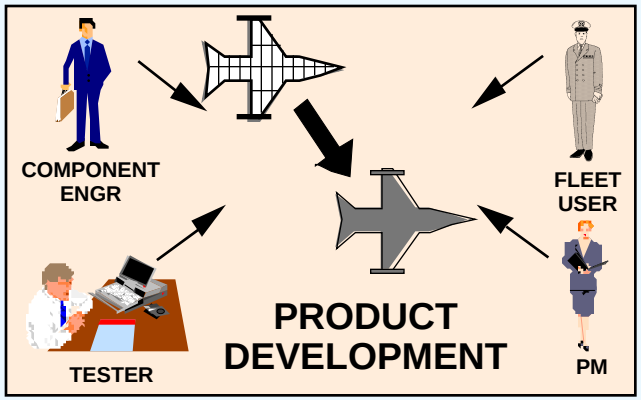
IPPD/IPT COLLABORATORY CONFIGURATION

UNCLASSIFIED

DRW009 07/02/96

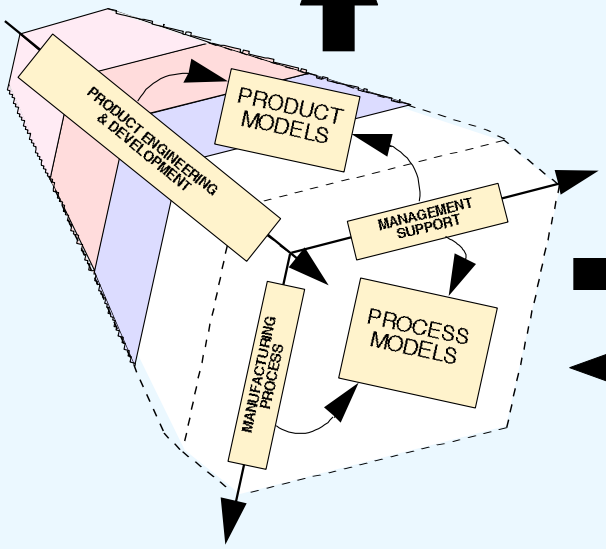
PRODUCT DEVELOPMENT

UNCLASSIFIED

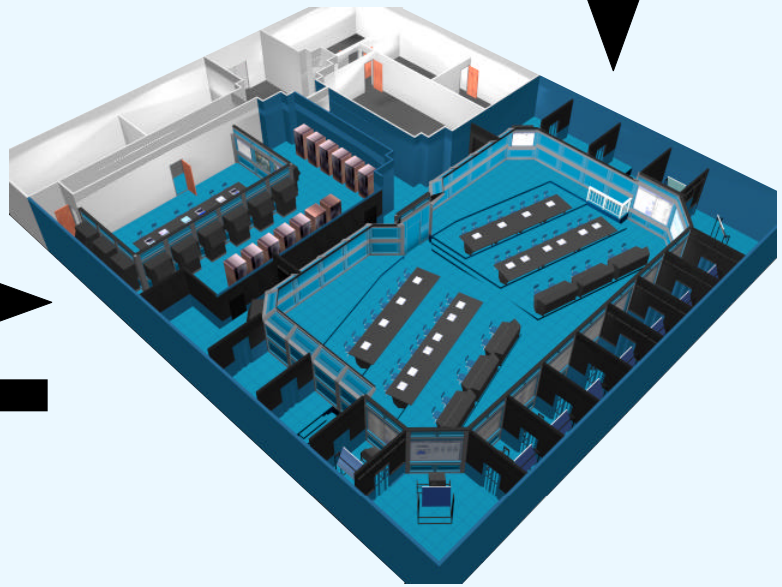


ACTIVITIES

- √ WARFARE ANALYSES
- √ CONCEPT FORMULATION
- √ ENGINEERING ANALYSIS
- √ COST ANALYSIS
- √ DESIGN
- √ BUILD
- √ TESTING
- √ MAINTAINANCE
- √ LOGISTICS
- √ OPERATION
- √ TRAINING



INTEGRATED PRODUCT PROCESS MODEL MATURATION



IPPD/IPT COLLABORATORY CONFIGURATION

UNCLASSIFIED

DRW010 07/02/96

ACE ENVIRONMENT

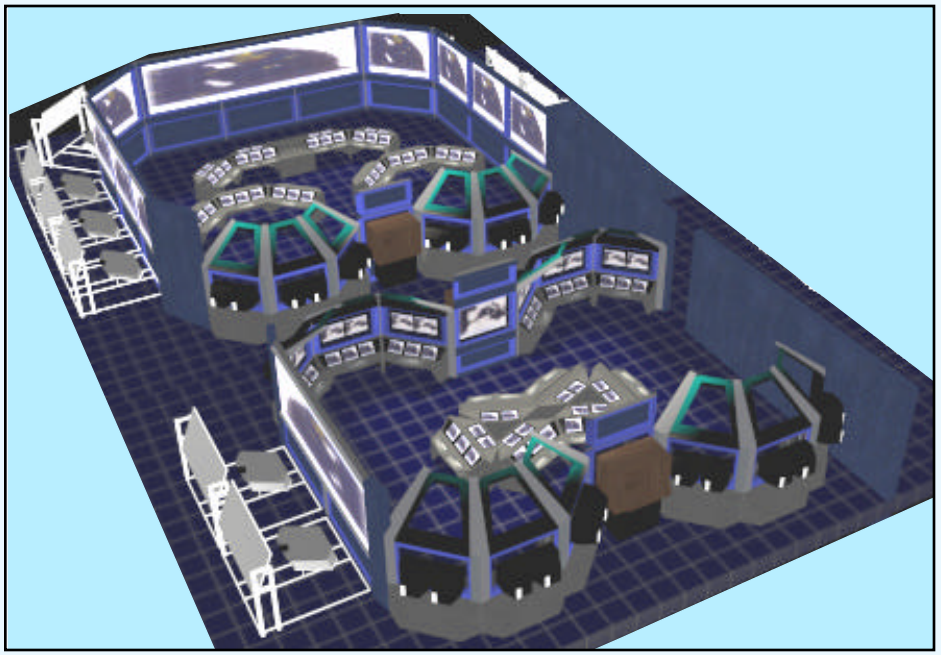
UNCLASSIFIED

- **Ergonomically designed facility to enhance cognitive learning**

  (Eg. Variable lighting, Reconfigurable Walls, Reconfigurable Consoles, and Reconfigurable Tables)

- **Access to advanced computing and visualization technologies**

  (Eg. High Perf Workstations/Servers, High Perf Networks, Computer Controlled Resources, Large Screen Displays, and High Resolution Displays)

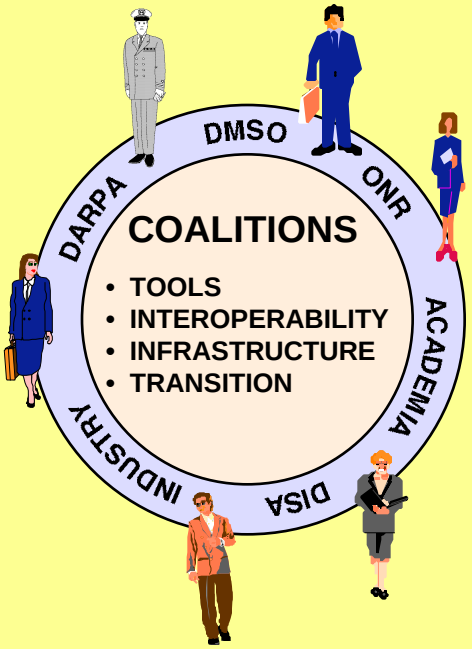


- **8000 sq ft reconfigurable work space**

  (Eg. Concurrent support to multiple multidiscipline teams, and to multiple customers)

ACE CONCEPT OF OPERATIONS

UNCLASSIFIED

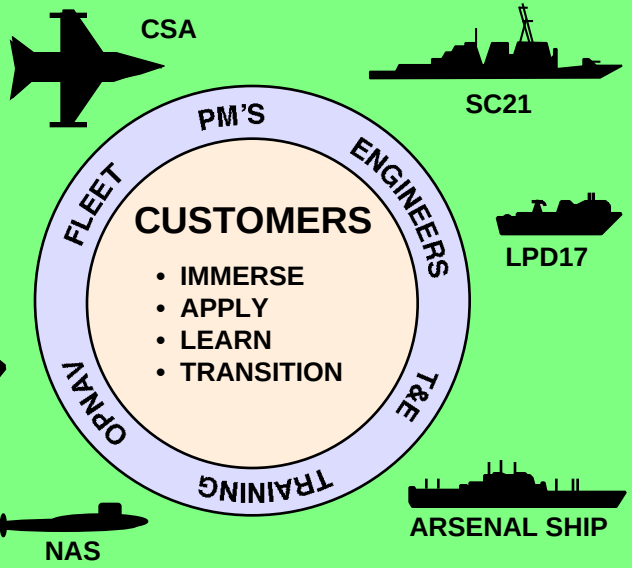


"REWORK" PROCESS

FEEDBACK

TRANSITION

"DEPLOY" PEOCESS



CSA

SC21

LPD17

NAS

ARSENAL SHIP

ACE COLLABORATORY

CAPABILITIES

SERVICES

ACE SUPPORT

- INFORMATION INTEROPERABILITY
- TOOL EVALUATIONS
- TOOL DEVELOPMENT

ACE SUPPORT

- CONSULT, FACILITATE, & TRAIN
- INFORMATION RESEARCH
- TOOL APPLICATION SETUP & EXECUTION
- ADMINISTRATION & LIBRARY
- SITE OPERATIONS

UNCLASSIFIED

DRW006 07/02/96

DCMC - ACE INTERACTIVE PARTNERSHIP

UNCLASSIFIED

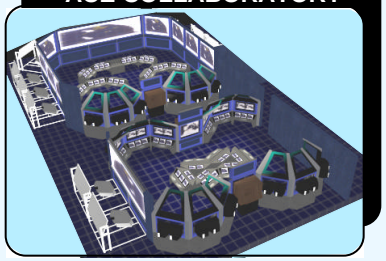
PM's

PCO's

ACO's

INDUSTRY

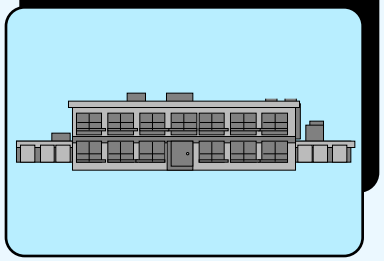
ACE COLLABORATORY



PROGRAM DESIGN

CONTRACTOR ASSESSMENT

DEFENSE CONTRACT MANAGEMENT COMMAND



- Tailored customers specific product/process plans
- Process evolution knowledge, expertise, and "pressure"

- Plant process knowledge
- Past performance evaluation
- Best practices data base
- Execution status

VISUAL ENTERPRISE MANAGEMENT SYSTEM

CONTRACTOR STATUS & INFORMATION

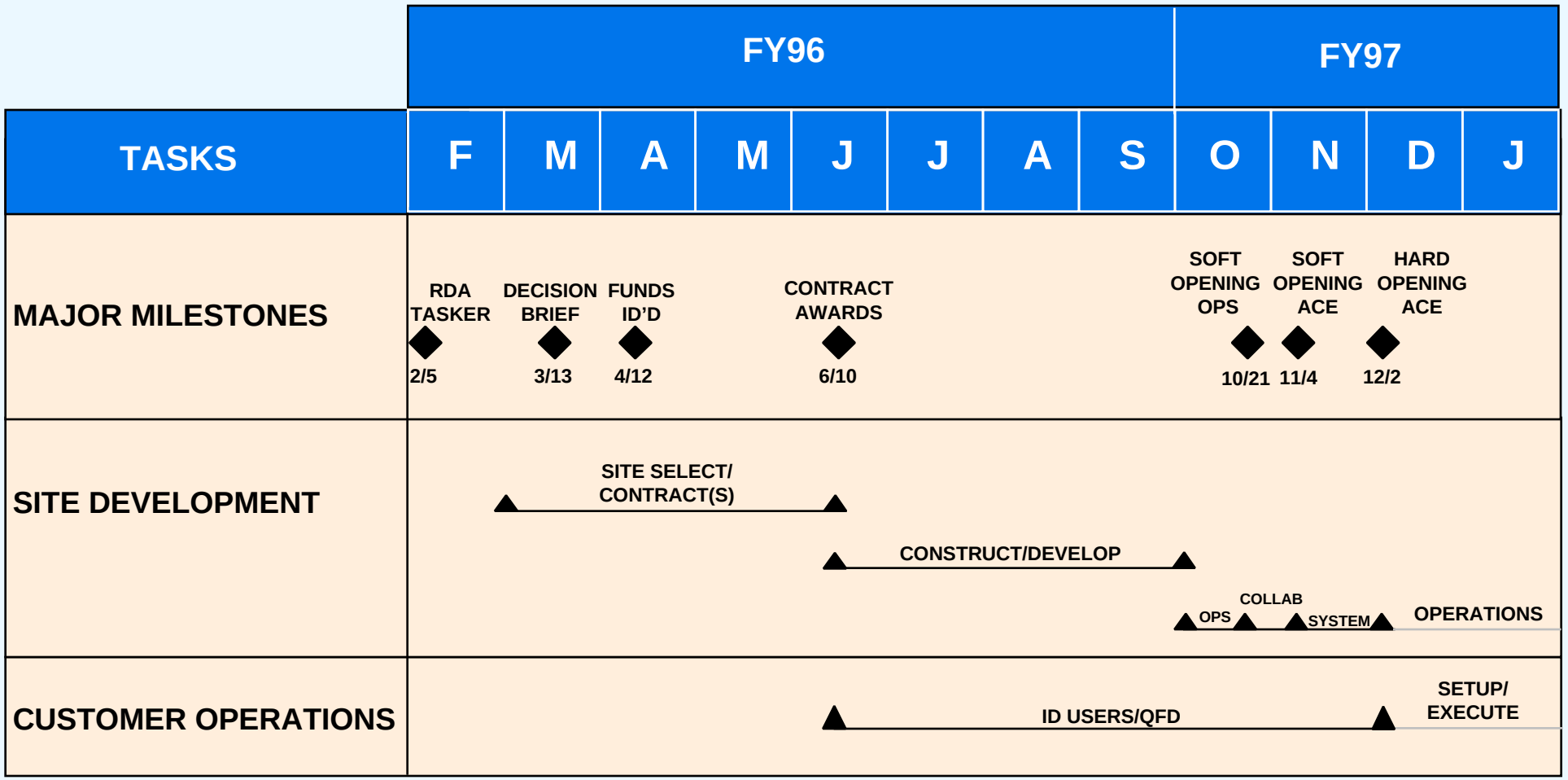
Create a shared integrated view

UNCLASSIFIED

DRW011 07/02/96

ACE SCHEDULE

UNCLASSIFIED



UNCLASSIFIED

MDR003 05/31/96

ACQUISITION REFORM IMPERATIVE

UNCLASSIFIED

- **Eroding resources mandates dramatic change in the way we do business**
- **Acquisition processes must be re-engineered**
- **Need sustained cultural change**

"Acquisition reforms have had limited effectiveness because of ... limited ability to effect cultural changes"

CRITICAL ISSUES IN THE DEFENSE ACQUISITION CULTURE

J. RONALD FOX, PROJECT CHAIRMAN